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4 pp.

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Aug 1961, p 6.

JPRS 31770

Editor: Germany
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Exiles and Immigrants in Agriculture and Forestry
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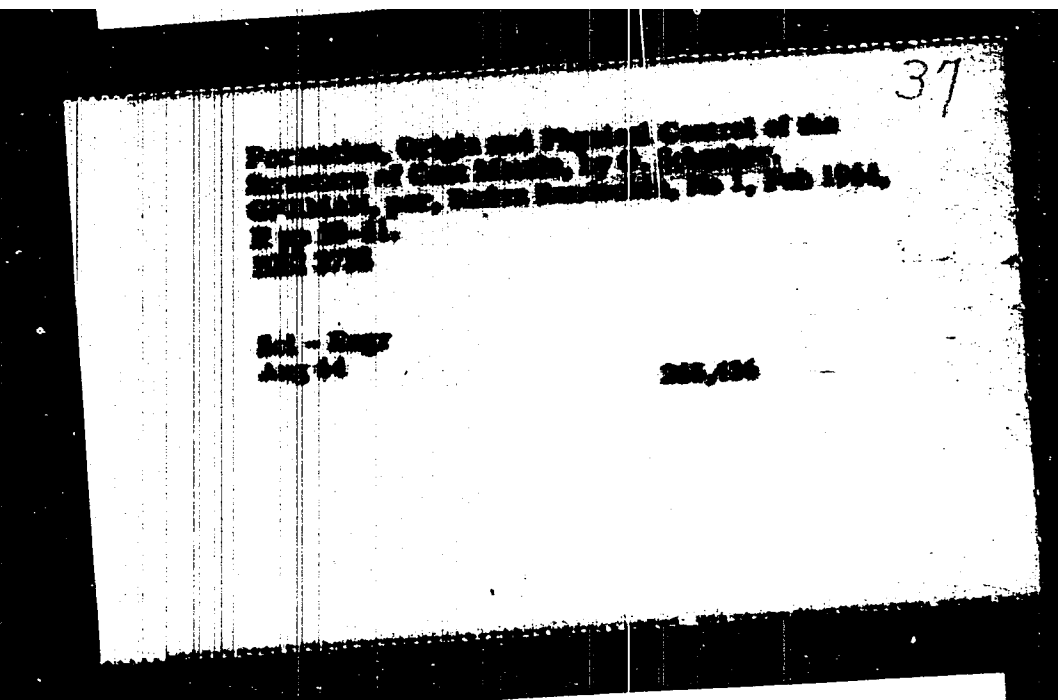
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No 6, Sep 1950.

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The Principle of Nitriding Baths Testing With
Mild Carbon Steels, by O. Schaeber.

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BTC 305

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Salt Baths, by O. Schaeber, R. Fischer.

GERMAN, per, Harterei-Technik & Wärmebehandlung,
Vol. II, No 10, 1956, pp 89, 90, 92-96.

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\$15.60

Sci - Chem

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Best Transmission in Metal Melts in the Immediate
Neighbourhood of the Liquid/Solid Phase Boundary,
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Full translation.

GERMAN, Z. Metallk., Vol 43, No 7, pp 251-258, July 195

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B-TW-104-52 OF 434

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SCHAEFER, C.

Die Neue Giesserei, vol. 36, 1949, p. 154;
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Brutcher, Trans. Order No. 2341, \$1.20

A 10416

Determination of the Quenching Capacity of
Quenching Oils. II. The Value and Suitability
of Various Test Procedures, by O. Schaaber,
R. Chatterjee-Fischer. UNCL

GERMAN, per, Industrieblatt, Jul 1959,
pp 321-324.

BISI 1447

(L3 15a.01.)

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Measuring Process for the Determination of
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O. Schaefer. UNCL

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No 3, 1962, pp 131-140.
BISI 3953

p 95

Sci-M/M
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NEW DEVELOPMENTS IN THE FIELD OF CONTINUOUS CASTING. [1963] [27] p. (figs. omitted) 42 refs.
Order from SLA \$2.60 63-16832

Trans. of [Zeitschrift für] Metallkunde (West Germany)
1952, v. 43, p. 181-190.

DESCRIPTORS: *Casting, *Steel, *Copper, *Aluminum.

After general review of the process of solidification in the usual ingot casting and in continuous rod casting, the factors determining the degree of difficulty in casting are discussed. The casting properties of steel, copper and aluminum are compared. (Author)

(Metallurgy, TT, v. 10, no. 8)

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Secondary Aluminum and Refined Aluminum, by
P. Urech, R. Sulzberger, E. Schaad, 5 pp.

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SLA 57-1420

May 58

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The Use of Electricity in Draining and Improving
Fine-Grained Soils, by W. Scheid, and Robert Macfald.

GERMAN, Reprint from Strasse Und Verkehr, Vol 32,
No 23/24, 1946, pp 311-316.

USA Corps of Engr, Waterways Exper Sta Tr 47-3

Sci - Engineering, hydraulics, naval
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Available on loan at Research Center Library

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ATB 95L280

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Jun 59

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ATS-32053

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(SF-2028)

The Freedom of the Individual (1), by Adam Schaff,
5 pp.

POLISH, par, Przegląd Kulturalny, No 39, 8 28 Sep 196
p 5.

JPRS 12215

KBR - Poland

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Adam Schaff, 5 pp.

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8 pp.

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Electrokinetic Phenomena and Their Use in Soil
Mechanics, by W. Schand, and Robert Hasfeld. 37 pp

GERMAN, Schweizerische Bauzeitung, 1947. A. First
Installment, Vol 56, No 15, 19 April 1947, pp 216-220;
B. Second Installment, Vol 65, No 16, 26 April 1947,
pp 223-226; C. Third Installment, Vol 65, No 18,
3 May 1947, pp 235-238.

USA Corps of Engs, Waterways Exper Sta Tr 47-11

Sci - Engineering, hydraulics, naval
Econ - Transportation, river, water

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ADOLPH H. SCHAND

Application of Electricity to Drainage and
Improvement of Fine-Grained Soils, by W.
Schned and R. Rucfeli, 13 pp.

GERMAN, per, Strasse u Verkehr, No ²³/₂₄
15 Nov 1946, pp 311-316.

SLA 3334

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Report of the Coils Division of the Hydraulics
Experiment Station of the Federal Polytechnic In-
stitute, Zurich, Switzerland, by Robert Haefeli,
and W. Schaed.

GERMAN, A. Part I, Settlement as a Result of the
Lowering, Fluctuation and Flow of Ground Water;
B. Part II, Settlement due to the Periodic Fluc-
tuation and Flow of Ground Water.

USA Corps of Engr, Waterways Exper Sta Tr 47-10

Sci - Engineering, hydraulics, naval
Econ - Transportation, river, water

Available on loan at Research Center Library

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Sci - Electricity

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ANIMAL EXPERIMENTS FOR THE STUDY OF OINTMENTS AND OINTMENT BASES. [1963] 32p. (figs. omitted) 16 refs.

Order from SLA \$3.60

63-18479

Trans. of Dermatologica (Switzerland) 1953, v. 106, no. 6, p. 357-378.

DESCRIPTORS: Laboratory animals, *Ointments, *Skin, *Tolerances (Physiology), Fatty acids, Biological assay, Toxicity.

Certain solvents, ointment constituents, and ointments produce medium to very marked thickening of the guinea-pig epidermis upon repeated local application, while others lack this characteristic. Depending on concentration or chemical properties, individual substances additionally provoke special irritant effects. Although there can be some parallelism between epider-

(Biological Sciences--Pharmacology, TT, v. 10, no. 11)

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I. Schaaf, F.
II. Gross, F.

Office of Technical Services

Schaaf, Fritz and Gross, Franz.
ANIMAL EXPERIMENTS IN THE STUDY OF THE
EFFECT OF STEROIDS ON THE SKIN. [1963] 19p.
(figs. omitted) 15 refs
Order from SLA \$1.60

63-18470

Trans. of Archiv für Klinische und Experimentelle
Dermatologie (West Germany) 1957, v. 205, no. 3,
p. 312-320.
Another trans. is available from SLA as 58-1177, 11p.

DESCRIPTORS: *Steroids, *Skin, Animals, Drugs,
Pregnandiol, *Carcinogenic agents,

Pure Δ^5 -pregnen-3 β -ol-20-one (pregnenolone) and its
acetate, propionate and myristate, which have no sex-
specific effects, when used at definite concentrations in
salve-like emulsions, and applied repeatedly locally to
the skin of the guinea pig, bring about a stimulation of
(Biological Sciences--Toxicology, TT, v. 10, no. 12)
(over)

63-18470

I. Schaaf, F.
II. Gross, F.

A255;134

Office of Technical Services

Experimental Investigations on Animals With Ointments
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BRMAN, per, Dermatologica, Vol CVI, 1953, pp 357-378.

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Scientific - Medicine

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DECLARATION OF PROFIT IN THE PURCHASE OF
SHIRAZ FINE PAPER, BY WALTER FLETCHER,
COTTONWOOD ROAD, ID 17.

ORDER, FIVE SHIRAZ FINE PAPER, NO 1,
NOV 1962, PP 6-9.

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An X-Ray Flash Tube for the Production of X-Ray
Interferences in One Microsecond, by W. Schaffs,
7 pp.

GERMAN, per, Zeit fur Angewandte Physik, Vol VIII,
No 6, 1956, pp 299-302*. (9207963)

A.C.S.I.L. Tr 1525

Sci - Phys
Jan 63

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Flash X-Ray Tubes and Their Use, by
W. Scheaffs.

GERMAN, per, Z. fuer Angewandte Physik,
Vol I, No 10, 1949, pp 462-473.

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Sci - Phys

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Anionic Polymerization of Lactams, Contribution
to the Mechanism of Rapid Caprolactam
Polymerization, by Siegfried Schnaf, 20 p.

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No 5, pp 224-231.

SLA 59-20892

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Vol 3, No 1

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Bridge Formation on Arcing of a Heavy
Current Contact, by W. Schaafs, K. H. Hermann, 8 pp.

GERMAN, per, Z Angew Phys, Vol VI, 1954,
pp 416-417.

SLA 57-1799

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The Constructional and Technical Properties of
High-Vacuum X-ray Flash Tubes, by W. Schaaffs,
K. H. Hermann.

GERMAN, per, Zeit Angew Phys, Vol VI, No 1,
1954, pp 23-35.

TPA3/TIB T 4419

WEur - Germany
Sci - Electronics

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**An Empirical Law Concerning Transition Temperatures of
Representative Elements of the Periodical System, by
W. Schott, 4 pp.
GERMAN, part, Wissenschaften, Vol 1, 1903, pp 470, 471.**

AN EXPERIMENTAL LAW CONCERNING THE RELATIONSHIP OF
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W. Schott, 4 pp.
CHEMICAL, part, Naturwissenschaften, Vol 1, 1901, pp 470, 471.

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Sci - MS
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Radiographic Investigation of the Sound Waves
Produced by a Spark Breaking Through a
Dielectric, by W. Schaaffs, F. Trendelenburg.

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pp 656-658.

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Sci - Physics
CTS 75/Dec 55

Observations on Wire Explosions, by Werner Schmitt,
5 p.

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SLA 59-20471

Sci
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The Organization of Local Water Economy Enterprises in the German Democratic Republic, by Ulrich Schmake, 8 pp.

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No 4, 1961, pp 147-151.

JPRS 10999

Econ - Germany

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X-Ray Study of Behavior of Steels Under Repeated
Cyclic Stress, by A. Schaal.

GERMAN, per, Zeit Metallkunde, Vol XL, No 11,
1949, pp 417-427.

Brutcher Tr
No 3102

Scientific - Min/Metals

Jan 56 CTS/DEX
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Industrial Applications of X-Ray Stress Analysis,
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GERMAN, per, Archiv Eisenhüttenwesen, Vol XXVI,
No 8, 1955, pp 445-447.

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Brutcher Tr 3589

Scientific - Physics, 11/11 Oct 55 CTS

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Long-Time Creep Behavior of Heat-Resisting
Steels, by K. Schaar.

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No 3, 1963, pp 77-84.

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Sci-M/M

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Studies on the Constitution of Volatile Basic
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the Dilution, by R. Schaal, J. Faucherre.
RECHER. PER, Bull Soc Chim Fr, Vol 14, 1947,
pp 327-332. 52
AFC-CEEL-Trans-10240

R. Schaal

SCI-Trans
Aug 48

Sci, 1947

Schaar, K., Houdremont, E., and others.
EVALUATION OF LONG-TIME CREEP TESTS: DIS-
CUSSION. [1961] [19]p. 18 refs.
Order from SLA \$1.60

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Trans. of Archiv [für das] Eisenhüttenwesen (West
Germany) 1957, v. 28, Nov, p. 687-694.

DESCRIPTORS: Creep, Stresses, *Steel, Tests

The discussions are presented that followed the pre-
sentation of a paper by Bandel and Gravenhorst (Arch.
Eisenhüttenw. 28: 253-258, 1957).

(Metallurgy--Ferrous Metals, TT, v. 6, no. 3)

61-16203

I. Schaar, K.
II. Houdremont, E.

Office of Technical Services

Analysis of the Creep Process in Heat Resistant
Alloys, by K. Schaar. UNCLASSIFIED

GERMAN, thesis, Beitrag zur Analyse des Kriech-
vorganges Warmfester Legierungen.

TIL Tr 4861

Sci - Min/Metals
Jun 58

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Representation of the Time and Temperature
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Materials, by Kurt Scheer, 16 pp.

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Sci - Chem

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Schaarwachter, W., and others.
THE ELECTROLYTIC ETCHING OF MULTIPHASE
IRON-CHROMIUM-NICKEL ALLOYS IN CAUSTIC
SODA. [1961] 13 refs.
Order from BISI \$4.10s BISI-2181

Trans. of Archiv für das Eisenhüttenwesen (Germany)
1960, v. 31, June, p. 385-391.

DESCRIPTORS: *Chromium alloys. *Iron alloys.
*Nickel alloys. *Electroerosive machining. Tests.

(Chemistry--Physical, ET, v. 6, no. 4)

61-22724

- I. Schaarwachter, W.
- II. BISI-2181
- III. British Iron and Steel
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The Nerves of the Dog Bladder, by
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NIH 8-1-61

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Sci - Med

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1 PP.

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A. Schaber

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Sci - Med

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The Effect of Additives, Especially of Ash Particles
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Normal, Reduced and Increased Pressures, by C.
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pp 756-769.

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On the Artificial Development of an Increase of
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Schabinski, W. Ahlendorf, F. Schwabe, 3 pp.

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NIH 9-37

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The Artificial Rearing of Clupea harengus L, by
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Deflection of a Circular Liquid Jet on a Plane
Plate normal to the Stream, by W. Schach,
19 pp.

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pp 51-59. P200260668-V

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Nov 68

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A METHOD OF INVESTIGATING THE PRESSURE
FLUCTUATIONS IN POPPET-VALVE GAS METERS
(Verfahren zur Untersuchung der Druckschwankungen
an Ventil-Gaszählern): [1963] 9p. 5 refs.
Order from SLA \$1.10 62-16364

Trans. of A[llgemeine] E[lektrische]-G[esellschaft].
Forschungs-Bericht. Jahrbuch (Germany) 1934, v. 4.

DESCRIPTORS: *Flowmeters, Gas Flow, Valves,
Pressure, Test methods, Tests, Oscillographs.

(Mechanics--Hydraulics, TT, v. 10, no. 9)

62-16364

1. Title: Poppet valve
1. Schachmister, R.
2. Muller, G.

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Office of Technical Services

Problems in Production and Storage of Foodstuffs
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Heiss and W. Bartusch, 21 pp.

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Sci - Chem Tech

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New Silicides of the M_5Si_3 Type With D_{8h} Structure,
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GERMAN, per, Monatsch Chem, Vol LXXXV,
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Sci - Chemistry
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Schachoff, Dimitri.

DEVELOPMENT AND IMPROVEMENT OF THE LOOM
PICKER. [1961] 7p. (21 figs. omitted) 21 refs.

Order from SLA mi\$1.80, ph\$1.80

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1954, v. 4, no. 6, p. 339-345.

(Materials--Textiles, TT, v. 5, no. 11)

61-14032

1. Textile Industry--Equipment
2. Title: Loom picker
1. Schachoff, D.

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The State is checking us of our money, by
Majesty, 12 19.
CINCINNATI, per, quick, no 48, 29 Nov 1966,
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Report on Indonesia by Dr. Hjalmar Schacht, 46
34 pp.
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1951, pp. 1-65.
JPRS 35194

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HE-Indonesia

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Circulation, Ger. Arch Med Soc. Vol 4, no 1, 1948,
pp 100-103.
PUB. 112 9-15-67

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Important Book in Raising the Level of
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Gottlieb, 20 pp.

ROMANIAN, Part, Automation of Manufacturing...
Vol V, No 1, I Jan-Feb 1961, pp 3-16

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Studies on Protein Biosynthesis, I. On
Incorporation of C^{14} -Labeled Amino Acids Into
Proteins of Cellfree Nucleoprotein Enzyme Systems
From Escherichia Coli B., by D. ~~SEIDEL~~
Schachtschabel, W. Zilling, 11 pp.

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NIH 2-30-62

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Sci - Med

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Schack, A.
BASES FOR THE INCREASED USE OF BLAST-
FURNACE GAS IN IRONWORKS, tr. by W. Golds-
brough. Repr. no. 253 of the Wärmestelle [Fuel
Section] of the Verein Deutscher Eisenhüttenleute.
[Feb 44] 21p. 2 refs.
Order from SLA \$2.60

61-18454

Trans. of Stahl und Eisen (Germany) 1938, v. 58,
17 Feb., p. 157-165.

DESCRIPTORS: *Blast furnaces, *Gases, Iron
industry, Combustion, Steel industry, Open hearth
furnaces, Heating, Operation, Fuel consumption.

(Unannounced)

61-18454

I. Schack, A.
II. Title: Verein...

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Schack, Alfred.
THE CONSTRUCTION AND OPERATION OF
FURNACES WITH PARTICULAR REFERENCE TO
HEATING FURNACES. Technical rept. no. 155 of
the Wärmestelle [Fuel Section] of the Verein
Deutscher Eisenhüttenleute. [1961] [36]p. 8 refs.
Order from SLA \$3.60 61-18497

DESCRIPTORS: *Heating plants, Construction,
Operation, *Heat transfer, Thermodynamics, Fuel
consumption, Heaters.

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I. Schack, A.
II. Title: Verein...

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Flow Conditions and Heat Balance in Modern
Soaking Pits, by Alfred Schack, 18 pp.

GERMAN, per, Stahl und Eisen, Vol LXXIV, No 23,
1954, pp 1502-1509.

SLA 60-18256

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SCHACK, A.

STAHL UND EISEN, vol. 58, 7 figures, one large table,
9200 words, 1938.

Wider Use of Blast Furnace Gas within Steel Industry.

Brutcher Trans., Order No. 600, \$9.20

A 10417

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GERMAN, per, Arch Eisenhüttenwesen, Vol IV, No 7, Jan 1931, pp 333-342.

SLA 57-3228

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Measurements of Temperature in Open-Hearth
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Investigation of Descaling Devices for a Multi-
Stage Hot Working Press, by H. Buhler, J. Schack. 28
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BISI 3791

Sci - Engr
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KRINGS, W. and SCHACKMANN, H.

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The Equilibrium $\text{FeO} + \text{Mn} \rightleftharpoons \text{Fe} + \text{MnO}$ at 1550-1560° C.

Brutcher trans.

Order No. 50

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GERMAN, FOR, WIRTSCHAFTSWISSENSCHAFT, NO 8, 1963,
PP 1837-1851.

JPRS 10977

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GERMAN, per, Gewerblicher Rechtsschutz und
Urheberrecht, No 3, 1962, pp 125-126.

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Schade, H. and others.
CATALYSTS FOR THE POLYMERISATION OF
OLIGOMERS OF ϵ -CAPROLACTAM. [1963].
Order from TTIS \$7.65 TTIS NS-87

Trans. of East German patent 24,307, appl.
30 Jan 59, pub. 28 Nov 62.

DESCRIPTORS: *Catalyst, *Polymerization, *Lac-
tams, Polymers.

(Chemistry--Organic, TT, v. 10, no. 8)

63-17812

- I. Title: ϵ -Caprolactam.
- I. Schade, H.
- II. Patent (East Germany)
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- III. TTIS-NS-87
- IV. Translation and
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